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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,264	07/30/2003	Michael Baumann	60,126-222	8702
27305	7590	08/01/2007	EXAMINER	
HOWARD & HOWARD ATTORNEYS, P.C.			PUNNOOSE, ROY M	
THE PINEHURST OFFICE CENTER, SUITE #101			ART UNIT	PAPER NUMBER
39400 WOODWARD AVENUE				
BLOOMFIELD HILLS, MI 48304-5151			2877	
MAIL DATE	DELIVERY MODE			
08/01/2007	PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



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10-630264

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT PAPER

20070727

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Please see attachment.

/Roy M. Punnoose /
Primary Examiner
Art Unit: 2886

Response to Request for Certificate for Correction

1. The applicant filed a "Request for Certificate for Correction under 37 C.F.R. 1.322" on **October 10, 2006** requesting the following corrections:
 - a) In column 6, line 9, please delete "member" and insert --element--.
 - b) In column 6, line 25, please delete "refractor" and insert --refractive--.
 - c) In column 6, line 26, please delete "polarization device" and insert --optical polarizing device--.
 - d) In column 6, line 30, please delete "member" and insert --movable--.
 - e) In column 6, line 43, please delete "member" and insert --movable--.
2. The Examiner **approved** the request for correction of items a) – c) above.
3. The Examiner did not approve the request for correction of d) and e) above because it would have only added to the errors in the claims. For example, applicants request d) above would have changed part of claim 4 to read "... said movable member movable is a pig ..." adjacently repeating the word "movable" in the claim. Applicants request e) above would have made a similar adjacently repeated words in claim 7.
4. The applicant filed a "Request for Certificate for Correction under 37 C.F.R. 1.322" on **April 26, 2007** requesting the following corrections:
 - d₁) In column 6, line 30, please delete "member" and insert --element--.
 - e₁) In column 6, line 42, please delete "member" and insert --element--.
5. The Examiner has **approved** the request for correction of items d₁) and e₁) above.
6. In the Request for Certificate for Correction filed on **April 26, 2007**, the applicant asserts that "it is believed that no fee is due ... because the errors were made by the Office, ...".
7. From comparing items d) and e) filed on October 10, 2006 and items d₁) and e₁) filed on April 26, 2007, it clear that the **applicant's filings were in error** and that the **Office has not made any errors**. Further, the applicant has not provided any evidence where the Office has made any errors. In view of the above, the **applicant is required to pay any fee that is due** for this "Request for Certificate for Correction."

Art Unit: 2886

8. If the applicant believes that the Office has made errors and no fee is due for this "Request for Certificate for Correction," the applicant is requested to file a petition with supporting evidence as to why any fee is not due.

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charged to a high voltage by a metering pump 40 is driven by a fl 42 of an insulating material and metering pump arrangements, a fracture or a clutch failure may lead to the metering pump 40 while of the s to rotate. In order to monitor the magnetically acting transmitter element, ity mounted on the input shaft of a clutch element 48 that is seated on shaft, wherein said transmitter of the above-described type which the vicinity of the clutch element mes to a stop, the light signal 0 during normal operation due to a magnet 44 is correspondingly signal also changes with the fre- 10 change in the sensor 45, this dicates that the described sensor measuring the rotational speed of electrostatic coating system that are 15 age. The signal evaluation or the rotational speed may take place in the 20 remotely from the high-voltage

ample for utilizing the invention ment and the magnetically acting ing collision protection elements electrostatic coating system which ting tool or other tool. In this case, in or on a stationary part of the ent is arranged in or on a part that nary part during a collision of the for this is the arrangement of the nitting element on the mounting it, for example, is exchangeable- 25 robot and moves relative to its collides with the workpiece to be he system. In this case, the sensor ning flange of the robot in the ally acting transmitting element. nge in the light signal that occurs magnetic field on the sensor or the field in the sensor becomes weaker 30 system is particularly suitable for e of the type described in DE 101 which is incorporated by reference. element may also be arranged in

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needle valve in an electrostatic atomizer described in DE 101 15 472, which is incorporated herein by reference.

The invention claimed is:

1. A sensor system for a conductive coating delivery system subject to high voltage, comprising:
a movable element including a magnetically acting transmitter element for signaling the position or movement of said movable member, and
a sensor element responsive to said magnetically acting transmitter element in a portion of said conductive coating delivery system subject to high voltage, said sensor element including an optical polarizing device subject to magneto-optical change upon approach of said magnetically acting transmitter element of said movable member generating a light signal, and
optical fibers connected to said sensor receiving said light signal connected to an electronic device situated remotely from said high voltage generating an electric signal corresponding to said light signal.
2. The sensor as defined in claim 1, wherein said magnetically acting transmitter element is a permanent magnet.
3. The sensor as defined in claim 1, wherein said sensor element includes a refractor element which turns polarized light located between said polarization device and said reflector.
4. The sensor as defined in claim 1, wherein said conductive coating delivery system includes a delivery line, said movable member is a pig movable through said delivery line and said pig including an embedded permanent magnet.
5. The sensor as defined in claim 4, wherein said conductive coating delivery system includes a pig station receiving said pig and said sensor element is located in said pig station signaling receipt of said pig in said pig station.
6. The sensor as defined in claim 4, wherein said sensor element is located adjacent said delivery line signaling movement of said pig through said delivery line past said sensor element.
7. The sensor as defined in claim 1, wherein said conductive coating delivery system includes a delivery line receiving said movable member and said electronic device is connected to a valve delivering fluid to said delivery line.
8. The sensor as defined in claim 1, wherein said conductive coating delivery system includes an apparatus having a movable member and a stationary member and said sensor element is located on said stationary member.

element

refractive
optical polarizing
device

element

element

Contact/Status Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Roy M. Punnoose** whose telephone number is **571-272-2427**. The examiner can normally be reached on 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Tarifur Chowdhury** can be reached on **571-272-2287**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 27, 2007



Roy M. Punnoose
Primary Patent Examiner
Art Unit 2886